

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A fuel injection system, comprising:

a fuel tank;

an electronically controlled fuel injection apparatus which is located above said fuel tank;

a fuel reservoir chamber which is located above said electronically controlled fuel injection apparatus;

a fuel introduction ~~introduce~~ passage which connects said fuel tank and said fuel reservoir chamber;

a fuel pump which introduces fuel from said fuel tank to said fuel reservoir chamber via said fuel introduction ~~introduce~~ passage;

a first fuel return passage which connects said fuel reservoir chamber and said fuel tank, and returns fuel overflowing from said fuel reservoir chamber and vapor to said fuel tank, said first fuel return passage connecting with said fuel reservoir chamber at a first connecting position;

a fuel supply passage which connects said fuel reservoir chamber and said electronically controlled fuel injection apparatus;

a filter arranged upstream of said electronically controlled fuel injection apparatus in one which is disposed at some midpoint of said fuel supply passage and or in said fuel reservoir chamber, for eliminating vapor from fuel passing through said fuel supply passage prior to entry of the fuel into said electronically controlled fuel injection apparatus; and

a second fuel return passage ~~which returns surplus fuel from said electronically controlled fuel injection apparatus, and connects~~ connecting said electronically controlled fuel injection apparatus with one at least either of said fuel reservoir chamber and said first fuel return passage, said second fuel return passage having a portion disposed higher than said first at a position above the connecting position of said fuel reservoir chamber and said first fuel return passage.

Claim 2 (Currently Amended) The fuel injection system according to claim 1, wherein ~~comprising an inner space which is formed in~~

said filter has an inner space formed therein; ~~and~~

a branch passage ~~which branches from some midpoint of said second fuel return passage at a branching position disposed below the said first connecting position of said first fuel return passage and said fuel reservoir chamber; and~~

~~wherein~~ said branch passage and said fuel supply passage are connected with said inner space of said filter, and said branch passage is horizontal or declined from ~~the said branching position at which said branch passage connects from said second fuel return passage towards the a second connecting position with said inner space of said filter.~~

Claim 3 (Currently Amended) The fuel injection system according to claim 2, wherein
~~wherein in a route from said branching position through said branch passage and said inner space of said filter to third connecting position at which said inner space connects with said fuel supply passage on a downstream side of said filter, the connecting said branching position of said branch passage with said second fuel return passage is the highest position, and the said third connecting position of said fuel supply passage of the downstream side than said inner space with said electronically controlled fuel injection apparatus is the lowest position, in the route from said branch passage through said inner space of said filter to said fuel supply passage of the downstream side; and~~

~~wherein the said route from the highest said branching position to the lowest said third connecting position does not have a portion that declines in a direction from said branching position toward said third connecting position where the height is reversed.~~

Claim 4 (Currently Amended) The fuel injection system according to claim 2, wherein the an inner diameter of said second fuel return passage above the said branching position from said branch passage is equal to or larger than 12 millimeters.

Claim 5 (Currently Amended) The fuel injection system according to claim 4, wherein the an inner diameter of said second fuel return passage below the said branching position from said branch passage is smaller than the inner diameter that of said second fuel return passage above the said branching position.

Claim 6 (Currently Amended) The fuel injection system according to claim 1, wherein a filter which does not allow foreign particles to pass through but allows vapor to pass through is disposed at said second fuel return passage above ~~the said first~~ connecting position of said fuel reservoir chamber and said first fuel return passage.

Claim 7 (Currently Amended) The fuel injection system according to claim 1, wherein said fuel supply passage projects ~~and opens above the~~ a fuel level location in said fuel reservoir chamber, said fuel supply passage includes an opening that opens into said fuel reservoir chamber above the fuel level location, and said fuel supply passage includes a fuel inlet opening which opens into a said fuel reservoir chamber is formed at said fuel supply passage below the fuel level location in said fuel reservoir chamber is, and said fuel inlet opening is covered by a filter.

Claim 8 (Currently Amended) The fuel injection system according to claim 7, wherein a filter which does not allow foreign particles to pass through but allows vapor to pass through is attached to ~~the projected said opening portion at the upside of~~ said fuel supply passage that opens into said fuel reservoir chamber above the fuel level location.